
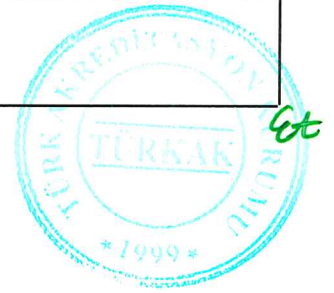


## Annex of the certificate (Page 1/2)

### Accreditation Scope

 <p style="font-size: small; text-align: center;">Test TS EN ISO/IEC 17025 AB-0039-T</p>	<p><b>OPET PETROLÇÜLÜK A.Ş. Deney Laboratuvarları Marmara Laboratuvarı</b></p> <p>Accreditation Nr: AB-0039-T Revision Nr: 027 Date: 02.07.2021</p>
<b>As a Testing Laboratory</b>	
<p><b>Address:</b> Merkez Mah. Ereğli Cad. No:78 Sultanköy 59740 TEKİRDAĞ/TÜRKİYE</p>	<p><b>Phone</b> : 0 282 611 60 00 <b>Fax</b> : 0 282 611 60 08 <b>E-Mail</b> : marlab@opet.com.tr <b>Website</b> : www.opet.com.tr</p>


Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Diesel, Gasoline, Fuel Oil, AUS 32	Determination of Density and Relative Density Oscillating U - Tube Method	TS EN ISO 12185
Diesel, Gasoline	Determination of Sulfur (S) Content Ultraviolet Fluorescence Method	TS EN ISO 20846
Diesel, Gasoline	Determination of Distillation Characteristics Atmospheric Pressure	TS EN ISO 3405
Diesel, Fuel Oil	Determination of Kinematic Viscosity and Calculation of Dynamic Viscosity	TS EN ISO 3104
Fuel Oil	Determination of Sulfur (S) Content Energy Dispersive X-Ray Fluorescence Spectrometry	TS EN ISO 8754
Fuel Oil	Determination of Water Content Distillation Method	TS EN 1428
Diesel	Determination of Total Contamination Content	TS EN 12662
Diesel	Determination of Flash Point Pensky - Martens Closed Up Method	TS EN ISO 2719
Diesel	Determination of Cold Filter Plugging Point (CFPP)	TS EN 116
Diesel	Determination of Water Content Coulometric Karl Fischer Titration Method	TS 6147 EN ISO 12937
Diesel	Calculation of Cetane Index Equation Method with Four Variables	TS EN ISO 4264
Gasoline	Determination of Vapour Pressure ASVP - Air Saturated Vapor Pressure and DVPE - Equivalent Dry Vapor Pressure	TS EN 13016-1



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## Annex of the certificate (Page 2/2)

### Accreditation Scope

 <p>Test TS EN ISO/IEC 17025 AB-0039-T</p>	<p>OPET PETROLÇÜLÜK A.Ş Deney Laboratuvarları Marmara Laboratuvarı</p> <p>Accreditation Nr: AB-0039-T Revision Nr: 027 Date: 02.07.2021</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Gasoline	Visual Determination	Visual Examination Inhouse Method - "OPET.TA.571 07/19.04.2019" (Modified from TS EN 228 and ASTM D4176)
AUS 32	Determination of Refractive Index	TS ISO 22241-2 ANNEX-C
AUS 32	Determination of Urea Content Refractive Index	TS ISO 22241-2 ANNEX-C
AUS 32	Determination of Alkalinity Potentiometric Titration Method	TS ISO 22241-2 ANNEX-D
AUS 32	Determination of Biuret Content Spectrophotometric Method	TS ISO 22241-2 ANNEX-E
AUS 32	Determination of Aldehyde Content Spectrophotometric Method	TS ISO 22241-2 ANNEX-F
AUS 32	Determination of Insoluble Matter Content Gravimetric Method	TS ISO 22241-2 ANNEX-G
AUS 32	Determination of Phosphate (PO4) Content Spectrophotometric Method	TS ISO 22241-2 ANNEX-H
AUS 32	Determination of Calcium (Ca), Iron (Fe), Cupper (Cu), Zinc (Zn), Chrome (Cr), Nickel (Ni), Aluminum (Al), Magnesium (Mg), Sodium (Na) and Potassium (K) Content ICP - OES Method	TS ISO 22241-2 ANNEX-I
AUS 32	Determination of Identity FTIR Spectrometry Method	TS ISO 22241-2 ANNEX-J

End of Scope



*Banıtçıl*

**G. Banu MÜDERRİSOĞLU**  
Secretary General